



US Army Corps  
of Engineers

Sacramento District  
650 Capitol Mall  
Sacramento, CA 95814-4794

# Public Notice

Public Notice No. **199100106** Date: **February 20, 1991**

In Reply Refer to the above  
Public Notice No.

Comments Due by: **March 12, 1991**

## TO WHOM IT MAY CONCERN:

**SUBJECT:** Application for a Department of the Army permit under authority of Section 404 of the Clean Water Act to dredge and discharge fill material in connection with the construction of a channel and a dike in the Great Salt Lake.

**APPLICANT:** Max J. Reynolds, Vice President, Great Salt Lake Minerals and Chemicals Corp., P.O. Box 1190, Ogden, Utah 84402.

**LOCATION:** The project is located on the North Arm of the Great Salt Lake. The channel extends from Promontory to Strong's Knob. The channel alignment passes through the following Sections 26 thru 30, Township 6 North, Range 6 West; Sections 19 thru 25, Township 6 North, Range 7 West; Sections 7 thru 15, Township 6 North, Range 8 West; Sections 4 thru 12, Township 6 North, Range 9 West, SLB&M. The dike extends from Strong's Knob to Finger Point. The dike alignment will pass through the following Section 5, Township 6 North, Range 9 West; Section 31, Township 7 North, Range 9 West; Sections 16, 17, 21, 22, 26, 27, 35, 36, Township 7 North, Range 10 West, SLB&M in Box Elder County, Utah.

**PURPOSE:** The purpose is to concentrate the brine from the Great Salt Lake (GSL) within the new pond expansion by solar evaporation and flow the concentrated brine in the underwater channel across the lake to the GSL existing pump station. The brine will flow into to GSL's existing solar pond complex for production of sulfate of potash and other minerals. This work is required to compensate for dilution of the north arm lake brine because of the breach in the railroad causeway and for GSL to maintain profitable operations.

**PROJECT DESCRIPTION:** The plans indicate that a channel would be constructed in the north arm of the Great Salt Lake from an existing pump station at Promontory to Strong's Point. The channel would be 20 miles long, 30 to 110 feet wide, and 8 to 34 feet deep. The channel will be dredged with a 20 inch portable cutter suction dredge. Approximately 3,000,000 cubic yards of dredged material from the under water channel will be discharged back into the Great Salt Lake. A dike would be constructed 8.5 miles long, 8 feet high, with a 28 foot top width and 1.5 to 1 side slopes. The dike and access road will be constructed with 750,000 cubic yards of earth, gravel and rock borrow materials hauled with 10-wheel dump trucks and end dumped in the water on the dike alignment. This material will be borrowed from Strong's Knob and the Finger Point area. A new pump station with a pumping capacity of 60,000 gpm will be constructed in the Strong's Knob area.

DOGMA  
MINERALS PROGRAM  
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**AREA DESCRIPTION:** The dike and channel will be constructed within the Great Salt Lake. During low water years the dike would be in Mud flats. Due to the salinity level of the lake, there are no fisheries.

**ADDITIONAL INFORMATION:** Certification that the proposed work, if permitted, will not violate applicable water quality standards has been requested from the Utah Bureau of Water Pollution Control. For further information, contact Mr. Anthony Vigil of the U.S. Army Corps of Engineers, 1403 South 600 West, Suite A, Bountiful, Utah 84010, or telephone (801) 295-8380

The latest published version of the National Register of Historic Places and its monthly supplements have been reviewed and there are no places either listed or recommended as eligible which would be affected. This activity would not affect any threatened or endangered species or their critical habitat. The District Engineer has made this determination based on information provided by the applicant and on the Corps' preliminary investigation.

Interested parties are invited to submit written comments on or before **March 12, 1991**. Any person may request, in writing, within the comment period specified in this notice that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership, and in general, the needs and welfare of the people. For activities involving 404 discharges, a permit will be denied if the discharge does not comply with the Environmental Protection Agency's 404(b)(1) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria, a permit will be granted unless the District Engineer determines it would be contrary to the public interest.



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The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

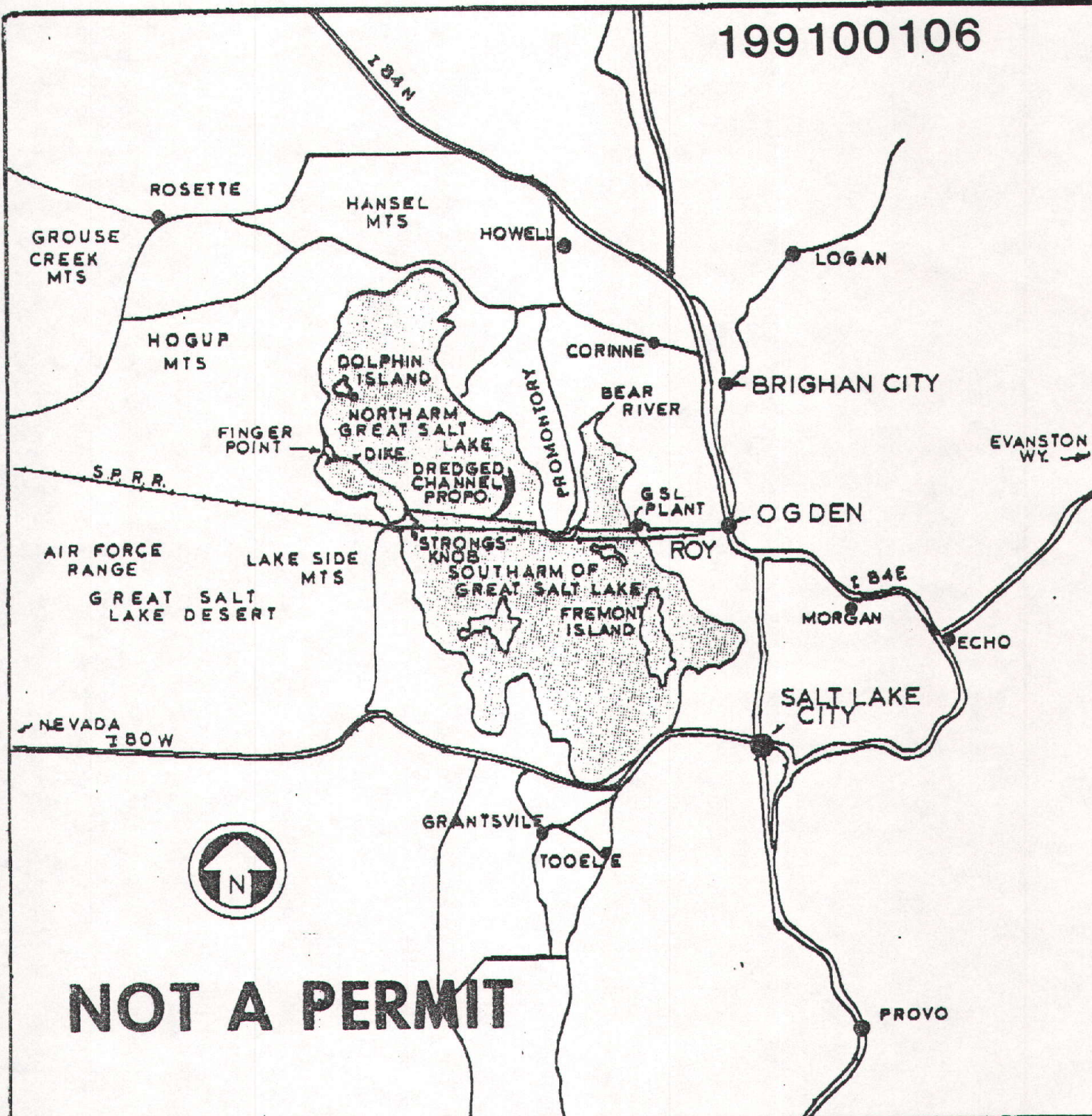
1 Encl  
3 Drawings

LAURENCE R. SADOFF  
COL, CE  
District Engineer



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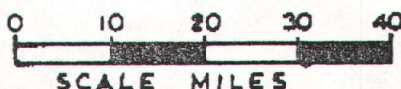


**NOT A PERMIT**

PURPOSE: TO DREDGE UNDER  
WATER CHANNEL AND BUILD DIKE.  
ADJACENT PROPERTY OWNERS

- 1 STATE OF UTAH
- 2 SOUTHERN PACIFIC R.R.
- 3 USA (B.L.M.)
- 4 PROM. CACHE DEVELOPMENT
- 5 SANDERS BRINE SHRIMP PRO.

PROJECT VICINITY MAP



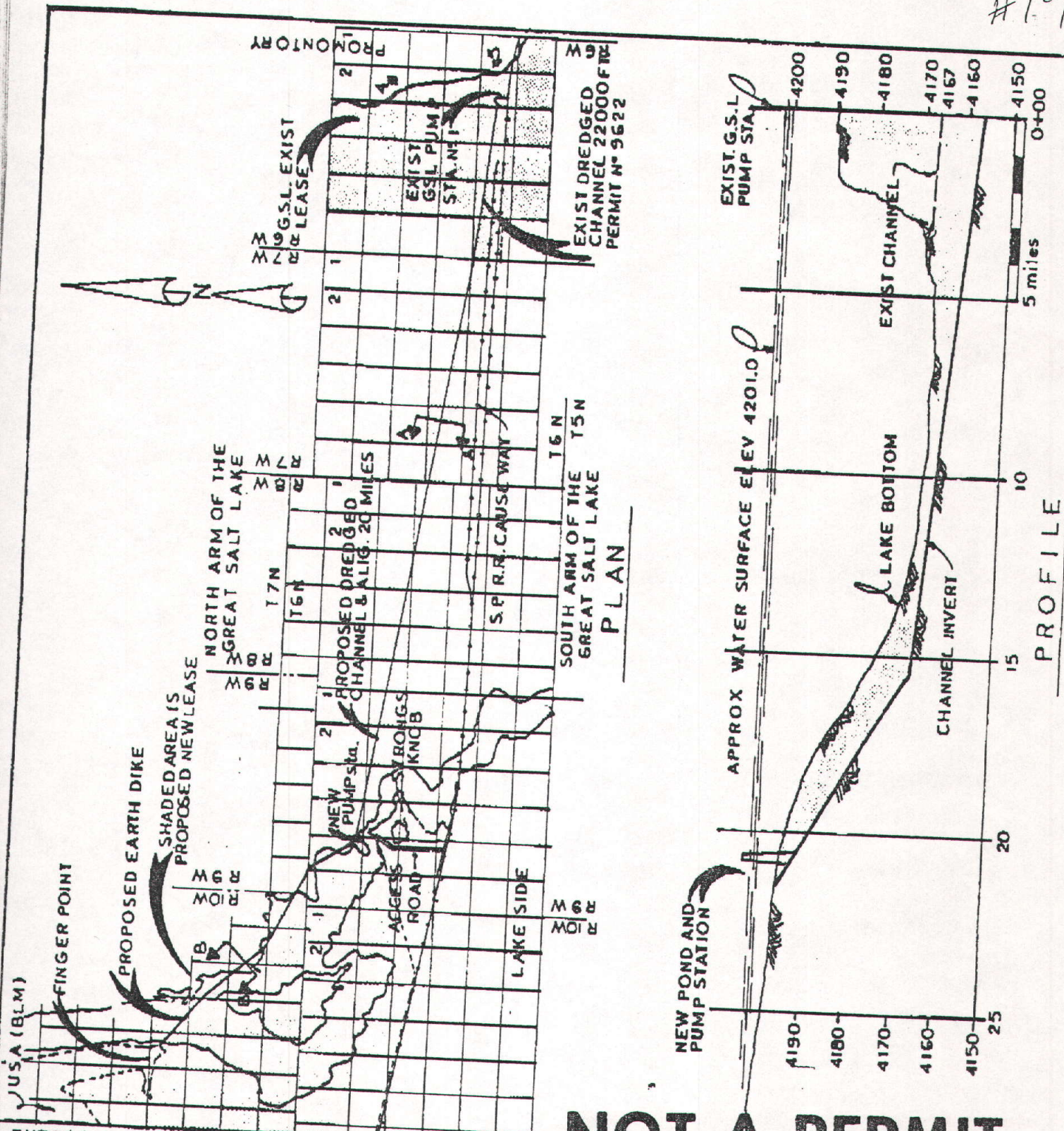
PROPOSED DREDGED CHANNEL  
IN THE NORTH ARM OF THE GREAT  
SALT LAKE IN BOX ELDER COUNTY  
UTAH: FOR GREAT SALT LAKE  
MINERALS & CHEMICALS CORP.

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PLAN AND PROFILE



PURPOSE: TO DREDGE UNDER WATER CHANNEL AND BUILD DIKE ADJACENT PROPERTY OWNERS  
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PROPOSED DREDGED CHANNEL IN THE NORTH ARM OF THE GREAT SALT LAKE IN BOX ELDER COUNTY UTAH FOR GREAT SALT LAKE MINERALS & CHEMICALS CORP

DWG N° 910202 SH 2 of 3

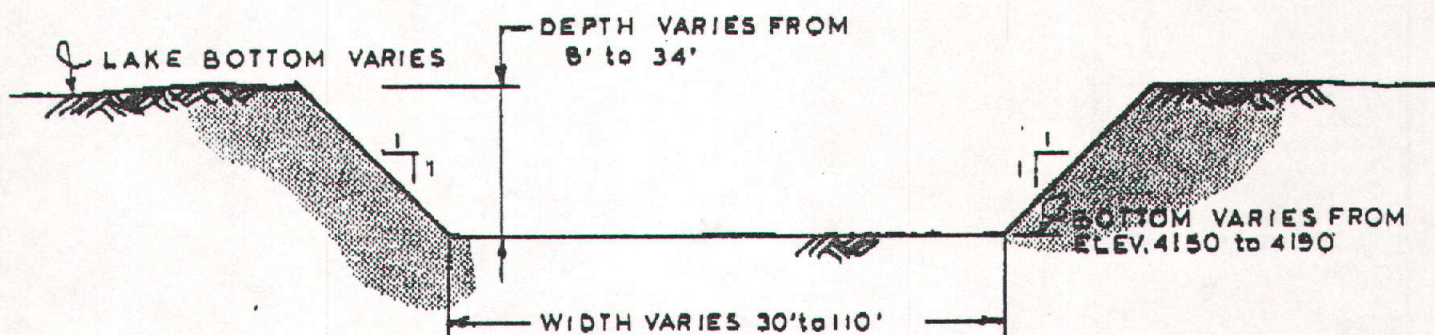


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SECTION B-B



SECTION A-A

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**CHANNEL & DIKE  
SECTIONS**

PROPOSED DREDGED CHANNEL  
IN THE NORTH ARM OF THE GREAT  
SALT LAKE IN BOX ELDER COUNTY  
UTAH FOR GREAT SALT LAKE  
MINERALS & CHEMICALS CORP.

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